

RESULT 5
 AAW97357
 ID AAW97357 standard; peptide; 574 AA.
 XX
 AC AAW97357;
 XX
 DT 12-MAY-1999 (first entry)
 XX
 DE Protein sequence of the specification.
 XX
 KW Retrovirus; gene transfer; serum-free medium; AIDS; cancer; leukaemia;
 KW gene therapy.
 XX
 OS Homo sapiens.
 XX
 PN WO9905301-A1.
 XX
 PD 04-FEB-1999.
 XX
 PF 15-JUL-1998; 98WO-JP003173.
 XX
 PR 23-JUL-1997; 97JP-00196772.
 XX
 PA (TAKI) TAKARA SHUZO CO LTD.
 XX
 PI Bagnis C, Imbert A, Mannoni P;
 XX
 DR WPI; 1999-142951/12.
 XX
 PT Gene transfer by retrovirus in medium containing functional substance and
 PT optionally low-density lipoprotein - useful in medical sciences, cell and
 PT gene engineering, particularly for treating AIDS and cancers.
 XX
 PS Claim 5; Page 27-30; 32pp; Japanese.
 XX
 CC The specification describes a method for transferring a gene into target
 CC cells by a retrovirus using a serum-free medium. The culture medium of
 CC the target cells is serum free and contains an effective amount of a
 CC functional substance to elevate the gene transfer efficiency when both
 CC the retrovirus and target cells are present together. The gene transfer
 CC method is useful in medical sciences, cell engineering and genetic
 CC engineering, such as in the treatment of AIDS and cancers e.g. leukaemia
 CC by gene therapy
 XX
 SQ Sequence 574 AA;

 Query Match 100.0%; Score 2968; DB 1; Length 574;
 Best Local Similarity 100.0%;
 Matches 574; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	PTDLRFTNIGPDTMRVTWAPPPSIDLTNFLVRYSPVKNEEDVAELSI	SPSDNAVVLTNLL	60
Db	1	PTDLRFTNIGPDTMRVTWAPPPSIDLTNFLVRYSPVKNEEDVAELSI	SPSDNAVVLTNLL	60
Qy	61	PGTEYVVS	SSVYEQHESTPLRGRQKTGLDSPTGIDFSDITANSFTVHWIAPRATITGYR	120
Db	61	PGTEYVVS	SSVYEQHESTPLRGRQKTGLDSPTGIDFSDITANSFTVHWIAPRATITGYR	120
Qy	121	IRHHPEHFSGRPREDRVPHSRNSITLTNLTPGTEYVVS	IVALNGREESPLLIGQQSTVSD	180
Db	121	IRHHPEHFSGRPREDRVPHSRNSITLTNLTPGTEYVVS	IVALNGREESPLLIGQQSTVSD	180
Qy	181	VPRDLEVVAATPTSLLISWDAPAVTVRYRITYGETGGNSPVQEFTVPGSKSTATISGLK		240
Db	181	VPRDLEVVAATPTSLLISWDAPAVTVRYRITYGETGGNSPVQEFTVPGSKSTATISGLK		240
Qy	241	PGVDYTITVYAVTGRGDSPASSKPISINYRTEIDKPSMAIPAPTDLKFTQVTPTSLSAQW		300
Db	241	PGVDYTITVYAVTGRGDSPASSKPISINYRTEIDKPSMAIPAPTDLKFTQVTPTSLSAQW		300
Qy	301	TPPNVQLTG YRVRVTPKEKTGPMKEINLAPDSSSVVSGLMVATKYEVSVYALKDTLTSR		360
Db	301	TPPNVQLTG YRVRVTPKEKTGPMKEINLAPDSSSVVSGLMVATKYEVSVYALKDTLTSR		360
Qy	361	PAQGVVTTLENVSPRRARVTDATETTITISWRKTETITGFQVDAVPANGQTPIQRTIK		420
Db	361	PAQGVVTTLENVSPRRARVTDATETTITISWRKTETITGFQVDAVPANGQTPIQRTIK		420
Qy	421	PDVRSYTITGLQPGTDYKIYLYTLNDNARSSPVVIDASTAIDAPSNLRF	LATTPNSLLVS	480
Db	421	PDVRSYTITGLQPGTDYKIYLYTLNDNARSSPVVIDASTAIDAPSNLRF	LATTPNSLLVS	480
Qy	481	WQPPRARITGYIIKYEKPGSPPREVPRPRPGVTEATITGLEPGTEYTIYVIALKNNQKS		540
Db	481	WQPPRARITGYIIKYEKPGSPPREVPRPRPGVTEATITGLEPGTEYTIYVIALKNNQKS		540
Qy	541	EPLIGRKKTDELPQLVTLPHPNLHGPEILDVPST	574	
Db	541	EPLIGRKKTDELPQLVTLPHPNLHGPEILDVPST	574	